USER MANUAL FOR

ATV650

SNOW PLOW

Ultima GmbH

Preface

This accessory will be installed on ATV 650, and applied to remove the snow, leaves, and other haulms on the ground.

Overall measurement: width 120cm, height 60cm
width 150cm, height 60cm

The purpose of this manual is for installation and using instruction.

Proper instruction will help you operate and maintain the ATV more safely and conveniently.

Notes: These Snow plows are designed use with winch. So a Winch is necessary equipped with when buying the snow plow.

We have two kinds of specification of Blade, one is 1.2m in length, and the other is 1.5m. The assembling and operating are the same according to this user manual.

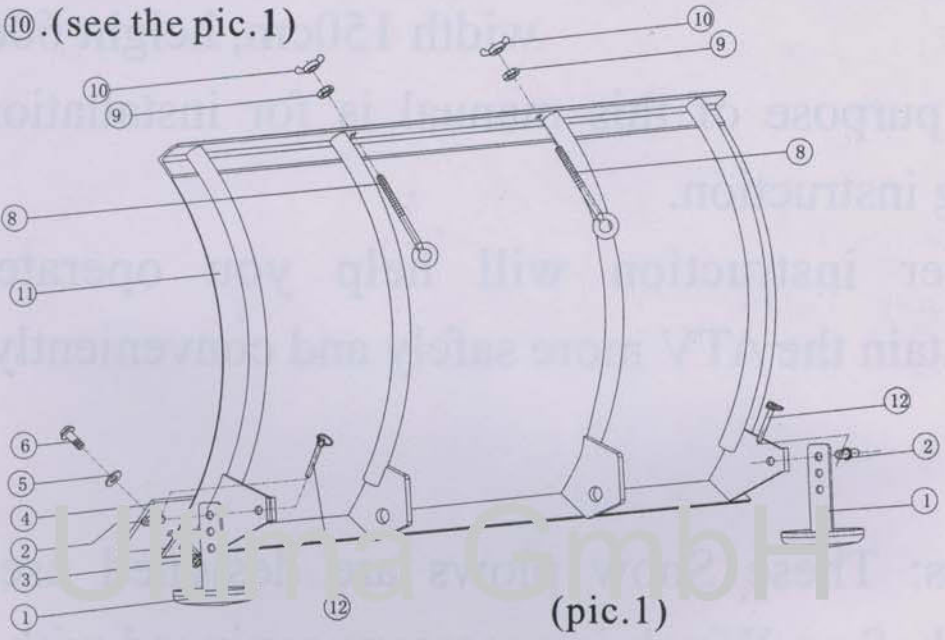
Assembly and Installation

1 Snow Blade Assembly

1.1 Fix cut edge④on the blade weldment⑪by bolts⑥, washers⑤,lock nut③. Tighten with spanner.

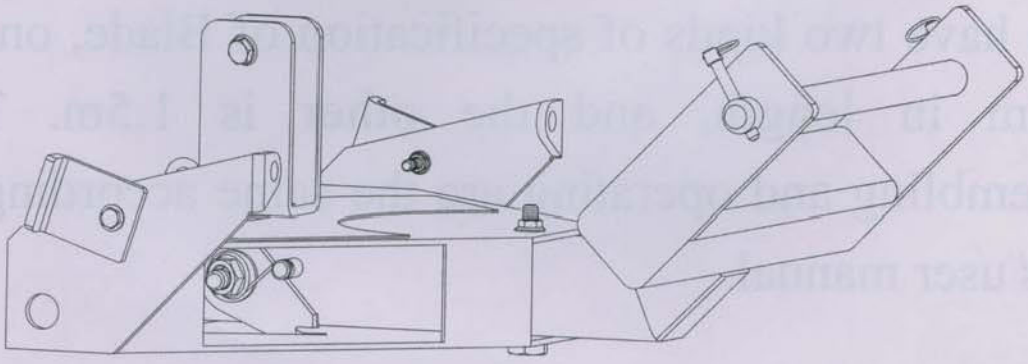
1.2 Connect skid① with blade weldment ⑪ by clevis pin ② and click pin⑫.(The left and the right are of the same height.)

1.3 Fix eye bolt ⑧ to the blade weldment ⑪ with nut ⑨ and butterfly nut⑩.(see the pic.1)



(pic.1)

2 Connect pivot weldment㉚with plow mount painted㉑(see the pic.2)



(pic.2)

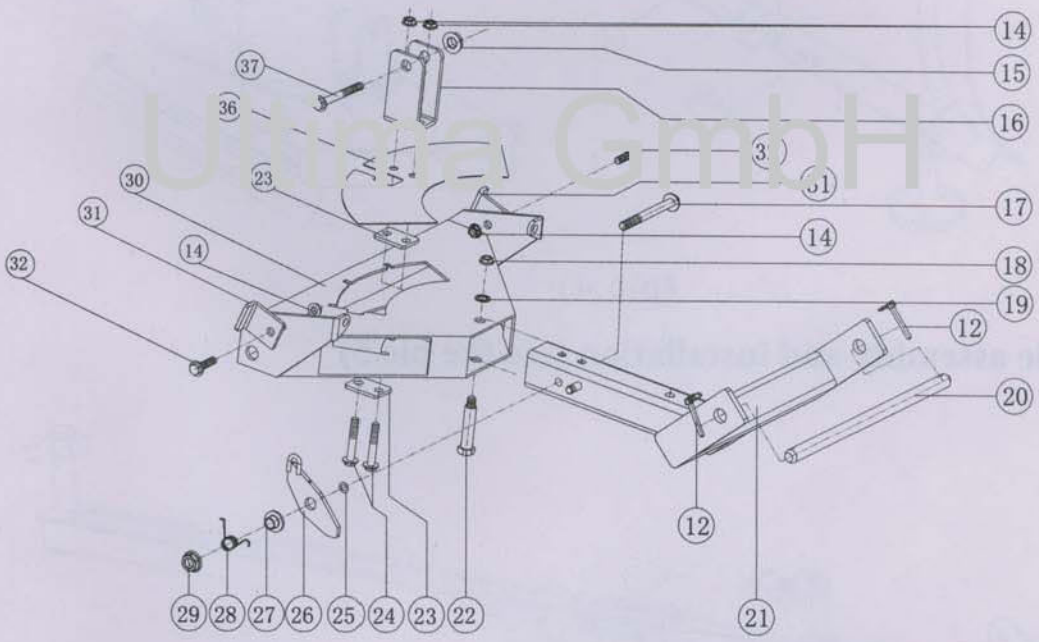
2.1 Insert plow mount painted ㉑ to pivot weldment ㉚ , connect them with bolts ㉒ , washers ⑲ , lock nut ⑱ . Tighten with spanner.

2.2 Insert bolts⑰to plow mount painted㉑, fix washer㉕, lock arm㉖, sleeve㉗, pivot spring㉘, lock nut㉙in turn. Tighten with spanner. (Insert the front end of pivot spring㉘ into lock arm hole, the back end blocked on plow pin).

2.3 Fix bracket support ㉓(upper and lower), upper hatch ㊱ , plow mounting bracket ⑯in turn, connect them with bolt㉔and lock nut⑭. Tighten with spanner.

2.4 Insert bolt ㊲ to plow mounting bracket ⑯ , fix it with lock nut⑮. Tighten with spanner.

2.5 Connect tilt block ㉛ with pivot weldment ㉚ by bolt ㉜ and lock nut ⑭ . Tighten with spanner. (see the pic.3)



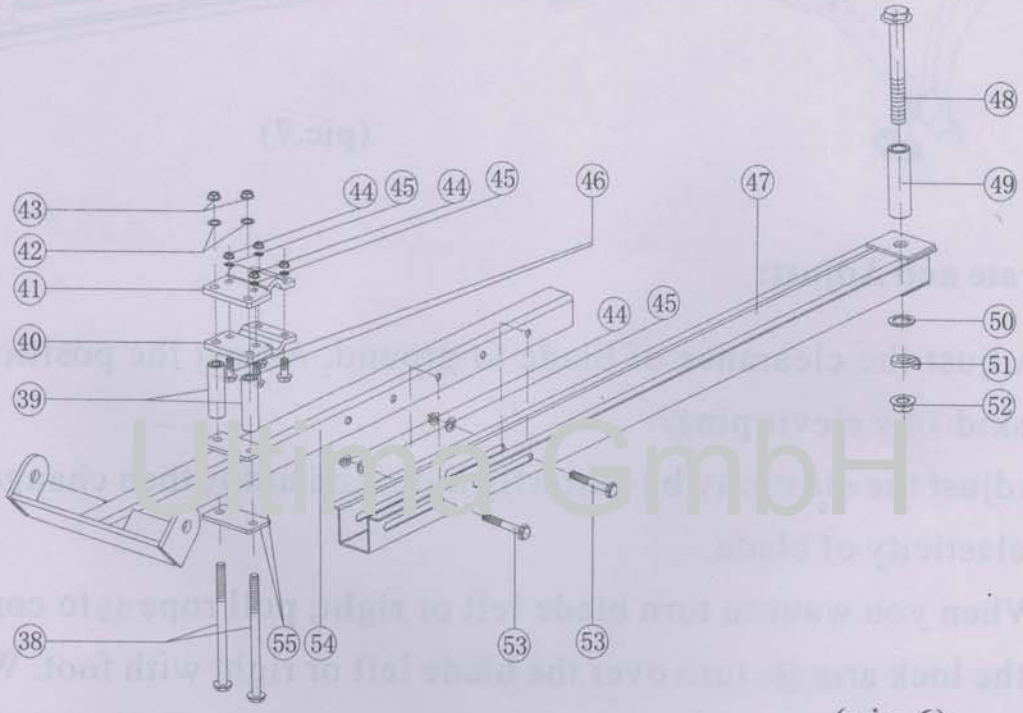
(pic.3)

3 Connect blade weldment⑪with pivot weldment㉚(see the pic.4)

4.1 Put front pole㊹into main pole㊼, fix them with bolts㊸, washer㊺, lock nut㊹.

4.2 Fix the main pole㊼ to rear frame body with bolts ㊽, sleeve ㊾, washer㊿, spring washer(51), lock nut(52). Tighten with spanner.

4.3 Fix the front pole㊹to front frame. Joint the clamp bracket㊶ ,㊵(upper and lower) with frame body by bolt㊻, washer㊺, lock nut㊹. Connect the front pole ㊹ and joint pad (55) (upper and lower) with the clamp bracket ㊶ , ㊵(upper and lower) by bolts ㊳, sleeve ㊴, washer㊷, lock nut ㊸. Tighten with spanner.(see the pic.6)



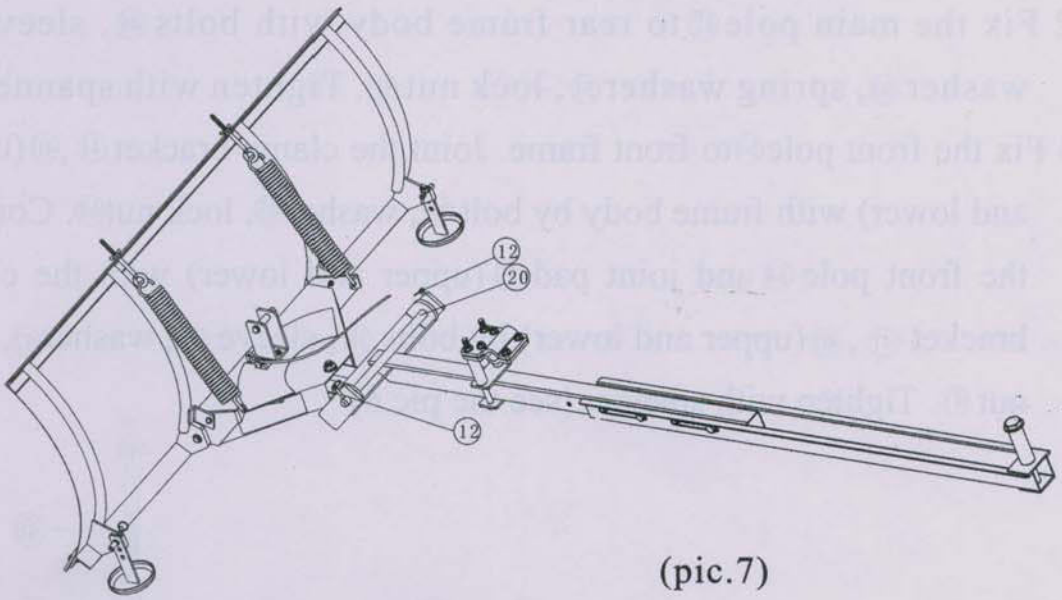
(pic.6)

5 Connect blade assembly with front pole ㊹, winch connect (see the pic.7)

5.1 Connect front pole㊹with plow mount painted㉑by plow mount pin⑳, fixed by click pin ⑫.

5.2 Hitch the winch hack to the bolt㊲.

Then you finish the assembly of the snow plow.



(pic.7)

Operate and Adjust:

1.1 Adjust the clearance of blade to ground. Adjust the position of skid①by clevis pin⑫.

1.2 Adjust the elasticity by butterfly nut⑩and nut⑨, then change the elasticity of blade.

1.3 When you want to turn blade left or right, pull rope⑬to control the lock arm㉖, turn over the blade left or right with foot. When reaching the suitable position, loose the rope. Pull rope⑬up, and rotate the steering blade weldment⑪back to the original position.

Note: When free of occupying, pull snow plow with winch to the suitable height.

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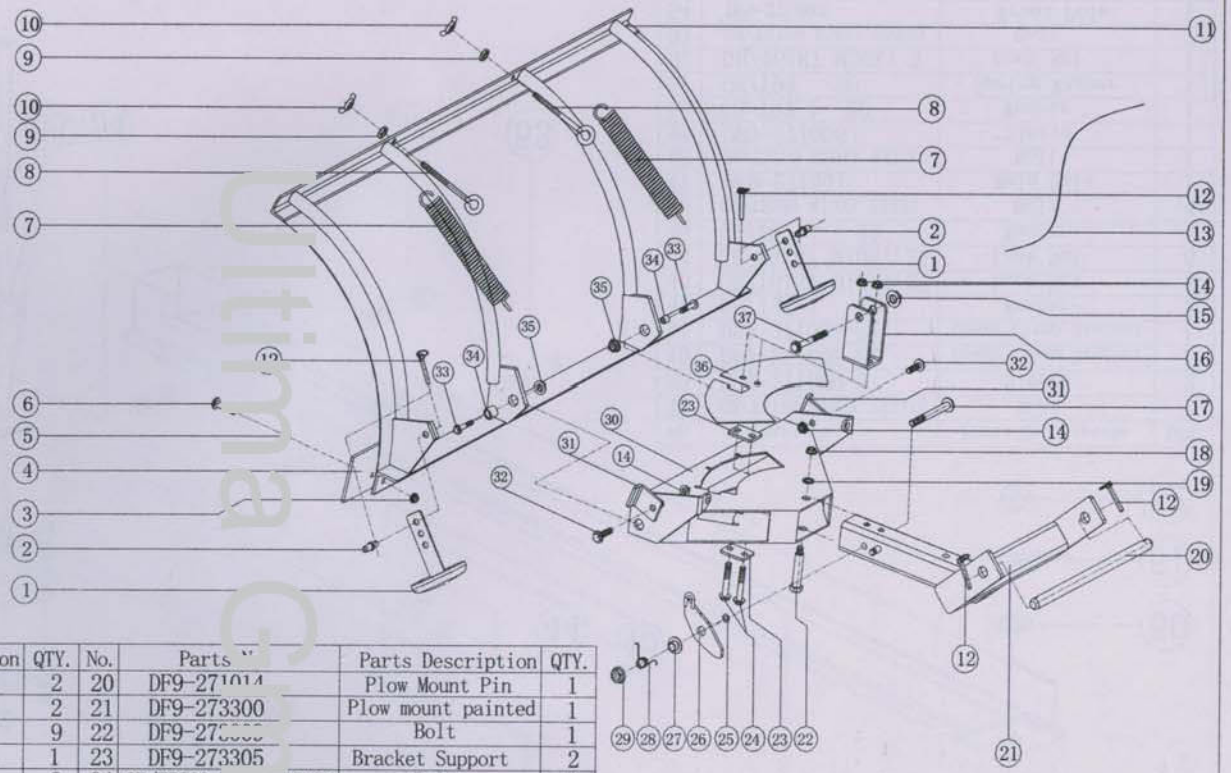
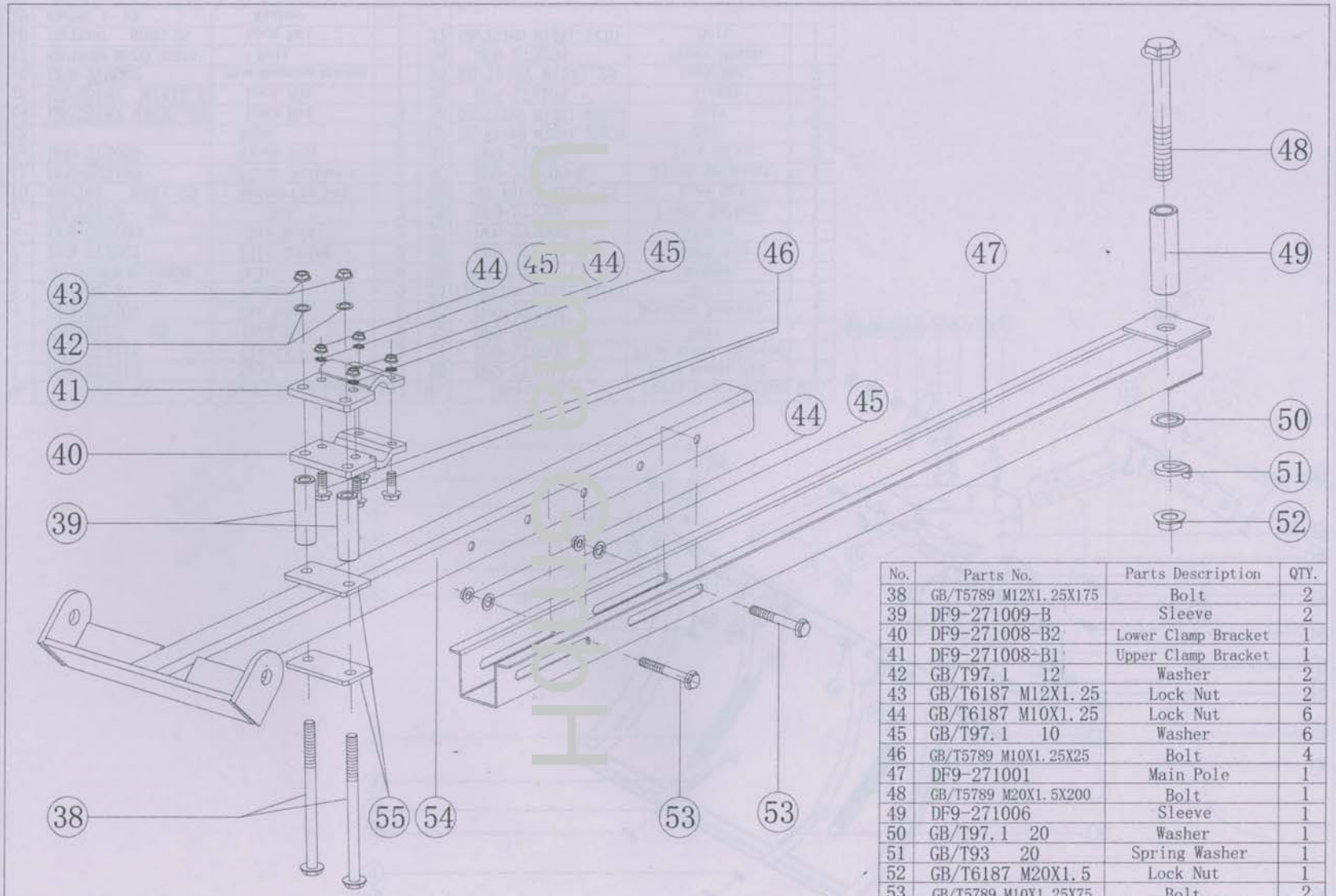


No.	Parts No.	Parts Description	QTY.	No.	Parts No.	Parts Description	QTY.
1	DF9-273110	Skid	2	20	DF9-271014	Plow Mount Pin	1
2	DF9-273115	Clevis Pin	2	21	DF9-273300	Plow mount painted	1
3	GB/T6187 M8	Lock Nut	9	22	DF9-27[illegible]	Bolt	1
4	DF9-273107	Cut Edge	1	23	DF9-273305	Bracket Support	2
5	GB/T97.1 8	Washer	9	24	GB/T5789 M10X1.25X75	Bolt	2
6	GB/T5789 M8X1.25X20	Bolt	9	25	GB/T97.[illegible]	Washer	1
7	DF9-273207	Tilt Spring	2	26	DF9-27[illegible]01-[illegible]	Lock Arm	1
8	DF9-273109	Eye Bolt	2	27	DF9-273008-A	Sleeve	1
9	GB/T6170 M8	Nut	2	28	DF9-27[illegible]	Pivot Spring	1
10	GB/T62 M8X1.25	Butterfly Nut	2	29	GB/T6187 M1[illegible]1.25	Lock Nut	1
11	DF9-273100	Blade Weldment	1	30	DF9-273200-[illegible]	Pivot Weldment	1
12	DF9-272008	Click Pin	4	31	DF9-273206	Tilt Block	2
13		Rope	1	32	GB/T5789 M10X1.25X25	Bolt	2
14	GB/T6187 M10X1.25	Lock Nut	4	33	GB/T5789 M12X1.25X30	Bolt	2
15	GB/T6187 M14X1.5	Lock Nut	1	34	DF9-273108	Sleeve	2
16	DF9-273002	Plow Mounting Bracket	1	35	GB/T6187 M12X1.25	Lock Nut	2
17	GB/T5789 M12X1.25X85	Bolt	1	36	DF9-273208	Upper Hatch	1
18	GB/T6187 M10X1.25	Lock Nut	1	37	GB/T5789 M14X1.5X70	Bolt	1
19	GB/T97.1 10	Washer	1				



No.	Parts No.	Parts Description	QTY.
38	GB/T5789 M12X1.25X175	Bolt	2
39	DF9-271009-B	Sleeve	2
40	DF9-271008-B2	Lower Clamp Bracket	1
41	DF9-271008-B1	Upper Clamp Bracket	1
42	GB/T97.1 12	Washer	2
43	GB/T6187 M12X1.25	Lock Nut	2
44	GB/T6187 M10X1.25	Lock Nut	6
45	GB/T97.1 10	Washer	6
46	GB/T5789 M10X1.25X25	Bolt	4
47	DF9-271001	Main Pole	1
48	GB/T5789 M20X1.5X200	Bolt	1
49	DF9-271006	Sleeve	1
50	GB/T97.1 20	Washer	1
51	GB/T93 20	Spring Washer	1
52	GB/T6187 M20X1.5	Lock Nut	1
53	GB/T5789 M10X1.25X75	Bolt	2
54	DF9-271002	Front Pole	1
55	DF9-271004-B	Joint pad	2